

CLAIMS

1. A refrigerating device (1) comprising a hollow-walled housing (2) surrounding a storage compartment (9) and comprising a vacuum pump (13) which is connected to a hollow chamber of the housing (2) via a suction line (14), characterised in that the suction line (14) is further connected to the storage compartment (9).
2. The refrigerating device (1) according to claim 1, characterised in that the housing (2) surrounds an interior space in which the storage compartment (9) and a non-evacuatable storage chamber (6, 7) are located.
3. The refrigerating device (1) according to any one of the preceding claims, characterised by a control circuit (18) to control the pump (13) using at least one pressure sensor (16, 17) arranged on the suction side of the pump (13).
4. The refrigerating device (1) according to any one of the preceding claims, characterised in that a switching valve (15) is arranged in the suction line (14) for selective connection of the pump (13) to the hollow chamber or to the storage compartment (9).
5. The refrigerating device (1) according to claim 3 or claim 4, characterised in that the control circuit (18) controls the position of the valve (15) by means of the at least one pressure sensor (16, 17).
6. The refrigerating device (1) according to claim 3, 4 or 5, characterised in that the control circuit

(18) is connected to a sensor (16, 24) to record the evacuatability of the storage compartment (9).

7. The refrigerating device (1) according to claim 4 and claim 6, characterised in that the control circuit (18) controls the switching valve (15) in order to connect the storage compartment (9) to the pump (13) when the evacuatability sensor (16, 24) records the evacuatability of the storage compartment (9).
8. The refrigerating device (1) according to claim 6 or 7, characterised in that the evacuatability sensor (24) is arranged on a door (11) of the storage compartment (9) to record the opening or closing state of the door (11).
9. The refrigerating device (1) according to claim 6 or 7, characterised in that the evacuatability sensor (16) is a pressure sensor and that the valve (15) has a switching position in which it has a high admittance between storage compartment (9) and pump (13) and has a switching position with a low non-vanishing admittance between storage compartment (9) and pump (13).
10. The refrigerating device (1) according to any one of the preceding claims, characterised in that the hollow chamber of the housing (2) contains a loose filling of a support material (5).
11. The refrigerating device (1) according to claim 10, characterised in that the support material (5) is porous.
12. The refrigerating device (1) according to claim 10 or 11, characterised in that the support material

(5) is a silicic acid or aerogel-based granular material.

13. The refrigerating device (1) according to any one of the preceding claims, characterised in that the pump (13) is a rough vacuum pump.
14. The refrigerating device (1) according to any one of the preceding claims, characterised in that the storage compartment (9) and/or the hollow chamber have walls made of plastic.